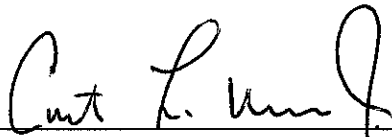




PERFORMANCE WORK STATEMENT (PWS)
USAKA/RTS 03-02

METEOROLOGICAL SUPPORT SERVICES (MSS)
for the
UNITED STATES ARMY KWAJALEIN ATOLL /
REAGAN TEST SITE (USAKA/RTS)

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DATE: 12 December 2001

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1. BACKGROUND / INFORMATION.

1.1 U.S. Army Kwajalein Atoll / Ronald Reagan Ballistic Missile Defense Test Site, which for brevity is hereafter called the Reagan Test Site (RTS) (USAKA/RTS).

USAKA/RTS is:

1.1.1 An element of the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB), pursuant to DoD Directive 3200.11 and Army Regulation 70-69;

1.1.2 A U.S. Army Installation operated as a Government-Owned, Contractor-Operated (GOCO) facility;

1.1.3 A United States Anti-Ballistic Missile (ABM) Test Range, pursuant to the ABM Treaty Agreement;

1.1.4 A Defense Site, pursuant to the Compact of Free Association, Public Law 99-239, with the government of the Republic of the Marshall Islands (RMI) (codified as Title 48, Chapter 18, Subchapter I, Section 1901, et.seq.);

1.1.5 Legally required to comply with the United States Code (USC), the Hawaii Revised Statutes (HRS), USAKA/RTS Environmental Standards (UES), RMI Laws pursuant to the Compact of Free Association, applicable Army Regulations (ARs), and USAKA/RTS Policies and Regulations;

1.1.6 Subject to restrictions regarding the free entry of aircraft, ships, and personnel because of the unique location and strategic nature of the area and for the protection of equipment, personnel, and property of the United States Government;

1.1.7 Located in the Kwajalein Atoll, RMI, Approximately 2,100 nautical miles west southwest of Honolulu, Hawaii, 9 degrees north latitude and 167 degrees east longitude, approximately 700 miles north of the equator, in an inter tropical convergence zone (ITCZ);

1.1.8 West of the International Date Line resulting in a normal government workweek of Tuesday through Saturday, which corresponds with the Continental United States' Monday through Friday workweek;

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1.1.9 Comprised of technical and support facilities located on eleven, low-lying tropical islands, utilized by the United States in accordance with the Military Use and Operating Rights Agreement with the RMI; and

1.1.10 During test operations, considered to also include the area within a radius of 500 nautical miles of Kwajalein Atoll and Wake Island.

1.2 Reagan Test Site (RTS). RTS, a subordinate element of USAKA responsible for technical performance of the range, is the Primary Organizational Element for technical support services provided by separate contractors for both the Integrated Range Engineering (IRE) effort and the MSS required by this PWS. RTS consists of the Office of the Commander, which includes the Technical Director; the Range Test Division; and the Program Support Division and Program Manager/R&D, Huntsville, Alabama. RTS has a staff of Department of the Army military and civilian personnel who provide guidance, technical review, range user interface, technical monitoring of mission support contract activities on the range, and contract performance assessment. The Massachusetts Institute of Technology/Lincoln Laboratory (MIT/LL), a Federally Funded Research and Development Center (FFRDC), is the Scientific Advisor to RTS. RTS is a multi-billion-dollar facility with state-of-the-art instrumentation unmatched anywhere in the world. RTS offers space tracking and full-envelope strategic and tactical missile testing with the world's most sophisticated suite of radar systems, optics, telemetry, and scoring sensors.

1.3 USAKA/RTS Missions. The primary missions of USAKA/RTS are to:

1.3.1 Provide a comprehensive missile system testing environment and support space operations and surveillance for the war fighter.

1.3.2 Operate a community of excellence and sustain a quality workforce.

1.3.3 Represent the Commander-in-Chief, Pacific (CINCPAC) in the RMI and Kiribati.

1.4 Authority and Responsibility. The Commander, U.S. Army Space and Missile Defense Command (USASMDC) has the authority and responsibility to ensure that meteorological support services are provided at the USAKA/RTS. This command authority and

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responsibility is delegated to the Commander, USAKA/RTS. Broad technical direction of this effort is to be accomplished through the Commander, RTS. Meteorological support services are to be provided at the USAKA/RTS by contractor personnel pursuant to the requirements set forth in this Performance Work Statement (PWS).

1.5 USAKA/RTS Government Agencies and Tenants. Other government agencies supported by USAKA/RTS are the National Aeronautics and Space Administration (NASA), Department of Energy (DOE), Department of Labor (DOL), and the Defense Nuclear Agency (DNA). USAKA/RTS tenants include the Ballistic Missile Defense Organization (BMDO), the U.S. Army Space and Missile Defense Command (USASMDC), Global Positioning System, Army Corps of Engineers, Federal Aviation Administration (FAA), National Imaging and Mapping Agency, Job Corps, and Department of Energy.

1.6 Contract Support Needs. RTS is required by AR 70-69, paragraph 1.6c(4)(e), to provide meteorology support as a part of its MRTFB test support capability. Consequently, RTS has a continuing need for MSS to support operations by collecting, processing, and interpreting meteorological data; providing specialized weather forecasts; and providing meteorological consultation services. Additionally, MSS are needed to perform the normal duties of a weather forecast office and meteorological observatory.

1.7 Description of Kwajalein Atoll. Kwajalein Atoll is a crescent loop of coral islands whose attendant reef encloses an area of 1,100 square miles - the world's largest lagoon. From Kwajalein Island on the south reef to Ebaddon Island on the northwest corner of the reef is approximately 75 miles. The lagoon is 15 miles across at its widest point. Kwajalein Island, which is the largest of approximately 100 small islands in the atoll, is one-half mile wide and three miles long. Roi-Namur Island, which is approximately 50 miles north of Kwajalein Island on the north reef of Kwajalein Atoll, is the location of the Kiernan Reentry Measurements Site (KREMS). KREMS is the United States' most sophisticated and important research and development radar site, consisting of four one-of-a-kind instrumentation radar systems. Meck Island, which is located on the east reef of Kwajalein Atoll approximately 18 miles north of Kwajalein Island, is the primary missile launch site for ballistic missile defense intercept testing. Ebeye Island, which is located on the east reef of Kwajalein Atoll approximately three miles north of Kwajalein Island, is home to approximately 10,000 Kwajalein Atoll residents, primarily natives of the Marshall Islands. Other than

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the eleven islands utilized by USAKA/RTS in accordance with the Military Use and Operating Rights Agreement, the islands in the Atoll are administered by the Kwajalein Atoll Local Government (KALGOV). The number of Kwajalein Atoll residents employed at USAKA/RTS is constantly changing but is currently approximately 1,518, including those employed by USAKA/RTS support contractors, construction contractors, the Bank of Guam, the Department of Labor Job Corps, and as domestic workers in private homes. These workers residing on Ebeye and Ennubirr Islands commute daily primarily via USAKA/RTS marine transportation on a no-charge basis.

1.8 Wake Island. Wake Island, which is located approximately 700 miles north of Kwajalein Atoll, contains a complex of instrumentation that is used to support U.S. Army Space and Missile Defense Command testing activities on a campaign basis.

1.9 USAKA/RTS Demographics. The technical programs conducted at USAKA/RTS require precision operations by highly skilled and specially trained technical personnel. Likewise, the construction, logistics support, and security and law enforcement activities at USAKA/RTS require a cadre of professional specialists, technicians, and trades personnel. All of these personnel are predominately civilian and must be assigned to and retained at USAKA/RTS on a voluntary basis. The USAKA/RTS population, including approximately 1,100 family dependents, has averaged approximately 2,500 for the past several years. USAKA/RTS personnel reside in Government furnished family housing or unaccompanied personnel housing, primarily on Kwajalein Island. Currently, approximately 215 personnel are assigned to housing on Roi-Namur Island but this number will be reduced as the Kwajalein Modernization and Remoting (KMAR) project is completed. Residential housing is not provided on Meck Island, with the exception of temporary camps during major construction projects.

2. APPLICABLE CONDITIONS.

2.1 Mission Workload. For purposes of indicating the general level of mission activity requiring meteorological support at USAKA/RTS, annual mission requirements are estimated as:

- 2.5.1 Five (5) reentry missions.
- 2.5.2 Six (6) local USASMD launches.
- 2.5.3 Four (4) remote site missile launches (e.g.

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Wake Island, Aur Atoll).

2.5.4 750 radiosonde operations.

2.5.5 Five (5) meteorological rocket launches
(responsibility of the Integrated Range Engineering (IRE)
Contractor).

These are annual mission estimates only and are not to be interpreted as inclusive of all workload. Some missions in support of USAKA/RTS customers may include meteorological support from Wake Island and other Atolls nearby Kwajalein and Wake Islands.

2.2 Hours of Operation. Core hours for USAKA/RTS operations are 07:30 - 16:30 with a one-hour lunch break 11:30 - 12:30 Tuesday through Saturday (the latter for consistency with CONUS workdays). The majority of personnel providing mission support planning efforts should be available during these hours. Actual hours and workdays are position dependent and may be subject to variation dependent upon the necessity for RTS mission support, emergency weather conditions, and other requirements of this PWS. However, there is a requirement for weather forecast support 24 hours a day.

2.3 Working Relationships. Each of the four USAKA/RTS support contractors, i.e. Integrated Range Engineering (IRE), Logistics Support (LS), Meteorological Support Services (MSS), and Security and Law Enforcement Contract (SLEC) must establish a cooperative working relationship, interface, and provide continuing support to the other three USAKA/RTS Contractors, tenant organizations, and on-site range users. This support is vital to maintain continuity in services and the accomplishment of USAKA/RTS mission objectives. Each of the four contractors must also work very closely with the cognizant USAKA/RTS Command Staff and personnel to ensure the needs of the MRTFB users and the community are adequately and timely provided. In addition, the IRE contractor must establish an effective and harmonious working relationship with MIT/LL, the RTS Scientific Advisor.

2.4 Corrosive Environment. The contractor will be operating in a tropical maritime environment where highly corrosive conditions are a major factor in the level and nature of maintenance required. Extensive planning and execution of corrosion prevention procedures are required to prolong life expectancy of buildings, equipment, and vehicles.

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2.5 Housing. The geographical location of USAKA/RTS and the substandard housing available, particularly for unaccompanied personnel, may adversely impact a contractor's ability to recruit and retain quality personnel. Government-furnished housing is specified in the Contract Section H Clause that addresses Government-Furnished Equipment, Property, and Services.

3. SCOPE. The contractor, independently and not as an agent of the Government, shall provide all necessary materials, labor, equipment, and facilities, except as specified to be furnished by the Government, and shall do all that is necessary or incident to perform the requirements of this Performance Work Statement (PWS). The requirements of this PWS are to be performed in support of the Reagan Test Site (RTS), a world-class element of the DoD Major Range and Test Facility Base and the U.S. Army Kwajalein Atoll, the installation that provides the infrastructure to support RTS's operations. This PWS identifies Performance Outcomes desired/expected and specific Performance Requirements.

4. APPLICABLE DOCUMENTS. The following "compliance" documents, current as of the date of the Contractor's final proposal, and "guidance only" documents of the current issue, are applicable to the performance of this contract. The Contractor shall comply with the procedures identified within the applicable sections of the compliance documents listed below.

4.1 Compliance Documents.

DOCUMENT IDENTIFIER AND (PWS REFERENCE)	DOCUMENT TITLE	DOCUMENT TAILORING
a. USAKA/RTS Reg 190-10 (PWS 6.2.1.2).	<i>Entry and Exit Control (Official and Unofficial Visitors)</i>	None
b. USAKA/RTS Reg 190-50 (PWS 6.2.1.2)	<i>Administrative Bar Actions</i>	None
c. TB MED 524 (PWS 6.2.2.2)	<i>Control of Hazards to Health from Laser Radiation</i>	None
d. None (PWS 6.3.2.2.2)	USAKA/RTS Strategic Plan 2000	None
e. AR 385-10 (PWS 6.4.1.2)	<i>Army Safety Program</i>	EXCLUDING 1-4.a. thru m., 2-1.j. & k., 2-2.d. Poster DD2272; 2-2.j(1) and (4), 2-2.k., and 3-7.
f. 29 C.F.R., Chapter XVII (PWS 6.4.1.2)	Occupational Safety and Health Administration, Department of Labor	None

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g. AR 40-5 (PWS 6.4.1.2)	<i>Preventive Medicine</i>	ONLY 1-1; 1-2, 1-3, 1-4.e., g., and m.; 1-5; 1-6.a.; 1-8; 2-1.a., b., f., h., and m.; 4-6; 4-7; 5-1; 5-2; 5-3; 5-4.a., b., f., g., n., and o.; 5-5.a. and b.(2); 5-6; 5-16; 5-17; 5-18; 5-20; 5-21; 5-22; 5-23; 5-24; 5-25; 5-26; 5-27; 5-28; 7-2; 9-1; 9-2; 9-3; 9-4; 9-5; 9-9; and 9-12.
h. DA PAM 40-503 (PWS 6.4.1.2)	<i>Industrial Hygiene Program</i>	ONLY Chapter 1; 2-1.c., f., and g.; 3-1.a.; 3-2; 3-4; 3-5; 3-6; 4-1; 4-2; 4-3; 4-4; 4-6; 4-8; 4-9; 4-10; 4-12; 4-13; 4-14; 4-15; 4-16; 4-17; 5-1.a., b., c., d., and g.; 5-2; 5-3; 5-4; 5-5; 5-6; 5-7-5-8; 5-9; 6-1; 6-3; 6-4; 7-4; 7-7; 7-8; 7-9; 7-11; 7-14; 7-15; and 7-34.
i. DA PAM 385-40 (PWS 6.4.1.2)	<i>Army Accident Investigation and Reporting</i>	EXCLUDING Chapter 3.
j. AR 385-40 (PWS 6.4.3.2)	<i>Accident Reporting and Records</i>	EXCLUDING Chapters 7, 8, 9, 11, and 12.
k. DoD 5220.22M (PWS 6.5.1.2)	<i>National Industrial Security Program Operating Manual (NISPOM)</i>	None
l. AR 530-1 (PWS 6.5.2.2)	<i>U.S. Army OPSEC</i>	None
m. None (PWS 6.5.3.2)	<i>USAKA/RTS Physical Security Program</i>	None
n. USAKA/RTS Reg 500-1 (PWS 6.6.2)	<i>Emergency Action Plan</i>	None
o. None (PWS 6.9.1.7)	<i>Army Master Data File</i>	None
p. None (PWS 6.10.3)	<i>USAKA Environmental Standards (UES)</i>	ONLY Sections 1-5; 3-1; 3-2; 3-3; 3-4; 3-5; 3-6 except for 3-6.5.8 Restoration; 3-7; and 3-8.
q. (PWS 6.10.3)	<i>USAKA Historical Preservation Plan (HPP)</i>	Sections 2; 3.3.5.7 Kwajalein; 3.3.5.9 Meck; 3.3.5.11 Roi-Namur; and 4.0.
r. (PWS 7.1.8, 8.2 and 8.3)	<i>Meteorological Facility and Equipment Manual</i>	None

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4.2 Guidance Only Documents.

<u>DOCUMENT IDENTIFIER AND (PWS REFERENCE)</u>	<u>DOCUMENT TITLE</u>
a. MIL-HDBK-881 (PWS 6.7.1.2)	DoD Handbook - - Work Breakdown Structure
b. None (PWS 6.7.2.2 and 7.2.2)	Financial Policy and Rates Manual
c. None (PWS 6.7.2.2 and 7.2.2)	Financial Requirements Manual
d. None (PWS 7.1.7)	Instrumentation and Support Facilities Manual (ISFM)
e. None (PWS 7.1.9)	Meteorological Data Document
f. None (PWS 9.1.2)	Improvement and Modernization (I&M) Five Year Plan
g. AR 380-19 (PWS 9.2.2)	Information Systems Security

5. ACRONYMS AND DEFINITIONS.

See Appendix A to this PWS.

6. MANAGEMENT SERVICES.

6.1 Program Management.

6.1.1 Performance Outcomes:

6.1.1.1 An organization structured to exercise administrative, executive, and supervisory direction to ensure the effective and efficient accomplishment of the Performance Requirements set forth in this PWS. The optimum number of technically competent personnel provided at the right time, with the right equipment and material, to perform requirements correctly the first time.

6.1.1.2 USAKA/RTS kept informed of management plans, organizational accomplishments, and issues / problems.

6.1.1.3 A smooth phase-in and phase-out transition made between the incumbent contractor and a successor contractor, if required, with no interruption in the providing of meteorological support services.

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6.1.2 Performance Requirements:

6.1.2.1 Plan, organize, staff, control, and direct an organization that proactively promotes minimal levels of management, maximum effective supervisory span of control, and empowerment of employees.

6.1.2.2 Align organizational goals with USAKA/RTS evolving goals, strategy, and objectives and proactively support accomplishment of Army Performance Improvement Criteria (APIC).

6.1.2.3 Provide, implement, and update annually a Management Plan IAW **CDRL AP01**.

6.1.2.4 Submit a Monthly Performance Outcome and Results Report describing significant accomplishments and any issues/problems in each of the major areas of the PWS (**CDRL AP02**).

6.1.2.5 Execute the Transition/Phase-in Plan developed pursuant to **CDRL AP03** with minimal disruption to incumbent contractor operations. (Also see 6.9.1.2 below.)

6.1.2.6 Execute the Transition/Phase-out Plan developed pursuant to **CDRL AP04** providing full cooperation to the successor contractor.

6.2 Human Resources Management.

6.2.1 Provide Human Resources Activity:

6.2.1.1 Performance Outcome: An efficient, effective, and timely human resources management system established to ensure the optimum number of knowledgeable, qualified, trained personnel necessary to provide required meteorological support services are recruited and retained IAW applicable laws, regulations, and personnel policies and procedures, as approved by the Contracting Officer.

6.2.1.2 Performance Requirements: Develop and maintain a HR activity sufficiently organized and staffed to effectively and efficiently address all personnel recruitment, administration, and termination actions for a workforce located predominately in the Republic of the Marshall Islands, a remote

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geographical area. Comply with the procedures developed IAW **CDRL AP05**; USAKA/RTS Regulations 190-10, 190-50, and 210-3; and the Contract Section H Clauses titled, "APPLICATION OF UNITED STATES LAWS IN THE REPUBLIC OF THE MARSHALL ISLANDS," "COMPLIANCE WITH THE COMPACT OF FREE ASSOCIATION AND IMPLEMENTING AGREEMENTS," "DENTAL AND MEDICAL SERVICE LIMITATIONS," and "SPECIAL EDUCATION LIMITATIONS."

6.2.2 Conduct Post-Employment Physical Examinations:

6.2.2.1 Performance Outcome: An official record of an employee's post-employment health condition is established when USAKA/RTS work activities have exposed the employee to potentially hazardous conditions.

6.2.2.2 Performance Requirements: Conduct post-employment physical examinations for all employees whose work activities expose them to potentially hazardous conditions at USAKA/RTS, to include physical eye examinations of the type indicated in TB MED 524 for all employees subject to exposure to laser radiation of a hazardous level.

6.2.3 Provide meals for unaccompanied personnel:

6.2.3.1 Performance Outcome: Government-furnished meals are made available in base support and retail dining facilities to personnel assigned to unaccompanied personnel housing (UPH) that lacks food preparation facilities.

6.2.3.2 Performance Requirements: Provide a system whereby unaccompanied personnel permanently assigned to UPH, which lacks adequate food preparation facilities, have access to meals from all (base support and retail) dining facilities. Establish accountability and control of meals entitlement through audits, an annual system review, and periodic eligibility verifications.

6.3 Quality Control (QC) Management.

6.3.1 Comply with Quality Standards:

6.3.1.1 Performance Outcome: A comprehensive, effective, and proactive quality control inspection system implemented that is customer, process, and continuous improvement oriented and aligned with the USAKA/RTS Strategic Plan.

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6.3.1.2 Performance Requirements: Provide and maintain an inspection system IAW FAR Clause 52.246-5 titled, *Inspection of Services - Cost Reimbursement* (see Contract Section E). Implement an inspection system that will ensure contract requirements are met; consider processes in terms of added value; obtain results of process performance and effectiveness; and continually improve processes based on objective measurements.

6.3.2 Develop and Execute a Quality Performance Measurement System:

6.3.2.1 Performance Outcome: Actual contract performance measured against Performance Requirements to identify deficiencies, weaknesses, and candidates for corrective action, process improvement, and/or cost reduction.

6.3.2.2 Performance Requirements: Develop metrics or performance measures that:

6.3.2.2.1 Can be applied to data collected regarding performance and work completed or accomplished; quantify USAKA/RTS expectations met and display added values to the Government; and include evaluation of work performance.

6.3.2.2.2 Include attributes for customer orientation; linkage to the goals, strategy, and objectives set forth in "*USAKA/RTS Strategic Plan 2000*," and any subsequent revisions thereto; and action or process orientation.

6.3.2.2.3 Are derived from data that can be readily collected and repeated; distinguish between desirable and undesirable results; are simple and understandable by personnel outside the program area being measured; and are capable of portraying trends and being displayed visually.

6.3.2.2.4 Can assist the Contractor and USAKA/RTS to develop action plans for correction of deficiencies and weaknesses, continuous action and process improvement, and cost reduction.

6.3.2.2.5 Are subsequently analyzed, revalidated, or modified not less than annually.

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6.3.2.2.6 Are electronically available to USAKA/RTS personnel in a "Read Only" format at all times.

6.4 Occupational Safety and Health Management.

6.4.1 Develop, implement, and maintain a comprehensive and efficient Safety and Occupational Health program consistent with AR 385-10, The Army Safety Program:

6.4.1.1 Performance Outcome: Employees are either not exposed to safety and health hazards or those hazards not eliminated are minimized to an acceptable level of risk by establishing and maintaining an effective and efficient safety and occupational health program.

6.4.1.2 Performance Requirements: Establish a comprehensive and effective Safety and Occupational Health Program in compliance with AR 385-10, The Army Safety Program; applicable Title 29 Code of Federal Regulations (29 CFR); AR 40-5, Preventive Medicine; and DA PAM 40-503, Industrial Hygiene Program. The Program shall address safety and health requirements and hazards, created or developed by, meteorological services operations. The program shall consider specialized programs such as Hazard Communication, Confined Space Entry, Asbestos Management, and Emergency Contingency Plan. (CDRL AP06)

6.4.2 Conduct required employee safety training:

6.4.2.1 Performance Outcome: Employees will have the correct knowledge to accomplish their work free from recognized hazards.

6.4.2.2 Performance Requirements: Conduct safety training tailored to each specific job, to ensure each employee is qualified to recognize and evaluate the hazards associated with his/her job. Maintain records of training activities and allow government access for review.

6.4.3 Provide verbal notification and perform accident/incident investigations with reports prepared:

6.4.3.1 Performance Outcome: The Government Safety Office is promptly made aware and knowledgeable of a serious accident/incident. Accident investigations are used to

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provide "lessons learned" for application to other operations.

6.4.3.2 Performance Requirements: Verbally notify the Government Safety Office of serious accidents or other incidents with high Command visibility, estimated at two per year. Perform investigations IAW AR 385-40 on all accidents/incidents, estimated at 10/year, related to the contractor's operations that result in personal injury, illness, death or property damage, or other incidents with high Command visibility. A report shall be prepared and submitted to the Government Safety Office IAW **CDRL AP07** in sufficient time to be IAW AR 385-40.

6.4.4 Use local media to promote weather safety awareness:

6.4.4.1 Performance Outcome: The community is provided with accurate information pertaining to local weather conditions and meteorological operations.

6.4.4.2 Performance Requirements: Conduct a continuing community weather safety program for all Kwajalein Atoll residents to include at least one quarterly article for the *HOURLASS* newspaper and/or the TV "roller." The program shall be comprehensive in the elimination of issues generated or developed by meteorological operations or conditions.

6.4.5 Participate in island orientation for new arrivals:

6.4.5.1 Performance Outcome: All newly arrived personnel are informed of weather related information and procedures.

6.4.5.2 Performance Requirements: Participate in the monthly island orientation for newly arrived personnel, ages 10 and above. Advise of typical weather cycles; historical frequency and seasonal occurrence of catastrophic storms; weather alarm system; emergency quarters evacuation procedures; weather information published in the *HOURLASS* newspaper; and meteorological support of range missions and associated hazard zones.

6.5 Industrial Security Management.

6.5.1 Provide an Industrial Security Program:

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6.5.1.1 Performance Outcome: Operations conducted in a manner that ensures proper safeguarding and security of classified material.

6.5.1.2 Performance Requirements: Establish and maintain an industrial security program IAW the FAR, the Security Agreement (DD Form 1441), and the National Industrial Security Program Operating Manual (NISPOM), DOD 5220.22M, as applicable to requirements set forth in the Contract Security Classification Specification (DD Form 254). Protect all classified information, to which they have access or custody, according to procedures required and set forth by the NISPOM or its follow on document.

**6.5.2 Establish an Operations Security (OPSEC)
Program:**

6.5.2.1 Performance Outcome: Employees and managers control sensitive operational data and plans to preclude inadvertently divulging useful information to adversaries.

6.5.2.2 Performance Requirements: Establish an OPSEC Program IAW AR 530-1, including developing an OPSEC Plan, IAW the USAKA/RTS OPSEC Program Guide. Maintain the OPSEC Plan on file electronically for Government review. (CDRL AP08).

6.5.3 Manage a Physical Security Program:

6.5.3.1 Performance Outcome: Appropriate procedures followed to reduce the consequences and risk of theft and vandalism to equipment and facilities under the Contractor's control.

6.5.3.2 Performance Requirement: Comply with the Physical Security Program developed and maintained by the USAKA/RTS Security and Law Enforcement Contract (SLEC) Contractor.

6.6 Emergency Operations and Disaster Control.

6.6.1 Performance Outcome: Plans developed and disseminated to employees specifying their responsibilities in the event of an emergency or natural disaster.

6.6.2 Performance Requirements: Comply with the

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requirements of USAKA/RTS Regulation Number 500-1 for emergency operations planning. Establish and maintain plans that address actions required in emergencies and disasters, to include points of contact and coordination required with the Emergency Operations Center, USAKA/RTS organizations, and other contractors. Execute such plans as necessary for training exercises or genuine emergencies. Plans shall be available electronically for government review and inclusion into the Natural Disaster Control Plan and the Emergency Operations Plan. (CDRL AP09)

6.7 Financial Resources Management.

6.7.1 Maintain an Annual Operating Budget (AOB) and Contract Work Breakdown Structure (CWBS):

6.7.1.1 Performance Outcomes: An effective, efficient, reliable, and timely financial management system established to control the accountability, budgeting, expenditure, and reporting of fiscal resources allocated to the contract. The institutionally funded workload scaled to the FY funding allocation and guidance provided by the Contracting Officer. A CWBS used for the consistent accumulation and reporting of costs.

6.7.1.2 Performance Requirement: Maintain an AOB based upon FY funding allocated IAW the Contracting Officer's notification (CDRL AP10). The AOB shall include a five-year plan for attrition replacement of Government-furnished equipment / property and for improvement and modernization (I&M) to maintain RTS's state-of-the-art equipment, instrumentation, and software capabilities. The current FY operating budget shall include replacement of that equipment/property identified in the first year of the five-year plan and approved I&M acquisitions. Develop and maintain a CWBS (CDRL AP11) IAW the guidance of MIL-HDBK-881 to be used as the reporting structure for tasks and cost accounting data (CDRL AP12). The Contractor shall respond in a timely manner to requests for financial information from the Contracting Officer or the on-site Contracting Officer's Representative.

6.7.2 Provide Reimbursable Customer Support Data:

6.7.2.1 Performance Outcome: Reimbursable

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costs identified and provided to the USAKA/RTS Resource Management Office.

6.7.2.2 Performance Requirement: The Contractor shall identify, accumulate, and provide to the USAKA/RTS Resource Management Office those costs associated with customer reimbursable efforts (**CDRL AP13**) using guidelines in the USAKA/RTS *Financial Requirements Manual (FRM)* and the *Financial Policy and Rate Manual (FPRM)*. The Contractor shall respond in a timely manner to requests from the Contracting Officer or the on-site Contracting Officer's Representative for cost estimates for projected customer reimbursable projects (**CDRL AP14**).

6.8 Library Management.

6.8.1 Performance Outcome: A current library of plans, operating procedures, applicable compliance and "guidance only" documents, and CDRL submissions maintained readily electronically accessible, when feasible, on-site.

6.8.2 Performance Requirement: Establish and maintain current a library consisting of an electronic "read only" copy and/or a bound hard copy of each Compliance document and each Guidance Only document listed in Section 4 of this Performance Work Statement, each Operating Procedure, each emergency operations plan, and each CDRL submission. The library shall be available at all times to employees and USAKA/RTS representatives on official business.

6.9 Government Property Management.

6.9.1 Management and Administration.

6.9.1.1 Performance Outcomes:

6.9.1.1.1 Inventory conducted and transfer of accountability and responsibility for Government-furnished property from the incumbent contractor to the successor contractor completed during the phase-in transition period.

6.9.1.1.2 Review and comments obtained from the USAKA/RTS Property Administrator when required.

6.9.1.1.3 Accountability records maintained IAW established processes and procedures.

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6.9.1.1.4 Stock records maintained for all materials held in storage for reissue.

6.9.1.1.5 Transaction data maintained on all active records for accountable Government materials.

6.9.1.2 Performance Requirements: Accomplish the following not later than completion of the contract phase-in transition period:

6.9.1.2.1 Conduct a physical inventory of Government-furnished property (**CDRL AP15**);

6.9.1.2.2 Develop and prepare property management processes and procedures IAW **CDRL AP16**;

6.9.1.2.3 Establish accountability records, and

6.9.1.2.4 Accept full accountability and responsibility for all Government-furnished property.

6.9.1.3 Performance Requirement: Develop a process to ensure that changes or deviations to property management procedures and processes and action plans for the correction of property management system deficiencies are submitted to the USAKA/RTS Property Administrator for review and comments prior to implementation. Implement changes / deviations / corrective actions within 30 days of notification to proceed from the USAKA/RTS Property Administrator.

6.9.1.4 Performance Requirement: Maintain accountability records, IAW established processes and procedures, identifying all Government property, other than work-in-process, and any contractor-acquired or fabricated property to which the Government takes title. Ensure that new equipment and material is timely received and posted to accountability records. Maintain records IAW best commercial practices and the applicable provisions of FAR 52.245-5. Ensure that the accountability records provide a complete and current audit trail of all transactions and balance-on-hand. (NOTE: The Contractor's records established and maintained pursuant to requirements of this PWS will constitute "Government Official Property Records").

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6.9.1.5 Performance Requirement: Maintain stock records IAW best commercial practices and the applicable provisions of FAR 52.245-5 for all materials held at a storage area for subsequent issue to users.

6.9.1.6 Performance Requirement: Establish processes to maintain transaction data on all active records for accountable Government materials through two physical inventory cycles.

6.9.1.7 Performance Requirement: Establish processes to ensure that the Army Master Data File (AMDF) and the definitions at FAR 52.245-5 are used to code the expendability of Government property.

6.9.1.8 Performance Requirement: In accordance with the liability provisions of the Contract Section I FAR clause 52.245-5, replace lost or destroyed Government property. Repair or replace damaged Government property, for which there is a continuing need in order to perform contract requirements, without significant disruption of normal MSS operations.

6.9.1.9 Performance Requirement: Investigate losses or damage to Government property to determine if systemic deficiencies exist. If so, prepare a corrective action plan IAW FAR Subpart 45.5; coordinate the plan with the USAKA/RTS Property Administrator; and implement the corrective action within 30 days of coordination.

6.9.2 Material Requirements Determination and Acquisition of Government Property.

(BACKGROUND: Authorized sources of Government property include:

- Government-furnished property, as described in the Contract Section H Clause titled, "Government-Furnished Equipment, Material, Services, and Supplies." Government-furnished property, including software, is provided 'as is, where is' as of the date of contract award.

- Materials and equipment obtained from the Logistics Support (LS) Contractor. To minimize the duplication of supply functions at USAKA/RTS, the MSS Contractor shall normally obtain general use equipment, materials, and supplies necessary for the performance of this PWS through the LS Contractor. However, this does not relieve the MSS Contractor of responsibility for timely identification of requirements and submission of requisitions.

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- Commercial sources for other equipment and materials unique to the needs of the MSS Contract).

6.9.2.1 Performance Outcomes:

6.9.2.1.1 Requirements determination processes and procedures ensure minimum essential acquisitions.

6.9.2.1.2 Maximum utilization made of the LS Contractor as a supply source for common use items.

6.9.2.2 Performance Requirement: Use best commercial practices, to include "just in time" inventory management methodology, to determine requirements for equipment, materials, and supplies. Assure that property on-hand is effectively utilized prior to processing a requisition for additional Government property.

6.9.2.3 Performance Requirement: Comply with procedures established by the LS Contractor related to submitting requirement's data and requisitions. Submit all requests in the proper format and in a timely manner.

6.9.3 Identification of Government Property.

6.9.3.1 Performance Outcome: Government property properly identified to aid in location control and subsequent inventories.

6.9.3.2 Performance Requirement: Establish processes for the identification of equipment and material prior to storage or issue IAW best commercial practices and the applicable provisions of FAR 52.245-5. Identify all accountable Government equipment, except accessory or auxiliary equipment associated with a specific item of equipment, with a serialized number and an indication of Government ownership.

6.9.4 Location of Government Property.

6.9.4.1 Performance Outcome: A consistent relationship exists between the location shown on property accountability records and the actual physical location of Government property.

6.9.4.2 Performance Objective: Maintain property location processes capable of physically locating

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accountable materials within one hour and accountable equipment within 24 hours of notification.

6.9.5 Storage of Government Property.

6.9.5.1 Performance Outcome: Government property adequately protected against theft and damage and issued from storage on a first-in, first-out (FIFO) basis.

6.9.5.2 Performance Requirement: The Contractor shall establish adequate controls to ensure that stored Government property is protected against theft and damage due to crushing, falling, frequent relocation, heat, humidity, vermin, water leaks, and similar conditions. The Contractor shall provide additional protection as necessary for Government property with high potential for theft or otherwise considered as sensitive. The Contractor shall establish processes for timely FIFO issue of property from storage and the appropriate documentation of all transactions.

6.9.6 Physical Inventories of Government Property.

6.9.6.1 Performance Outcome: Government property inventoried on a regular schedule based upon its nature and sensitivity and controlled within variance allowances.

6.9.6.2 Performance Objective: IAW established procedures, conduct a physical inventory of all Government property (except work-in-process) in the Contractor's possession or control not less frequently than annually for materials, biennially for equipment, or as otherwise mutually determined in conjunction with the USAKA/RTS Property Administrator. Submit inventory reports IAW CDRL AP15.

6.9.7 Reports of Government Property.

6.9.7.1 Performance Outcome: Government Property Reports required by the DoD FAR Supplement (DFARS) timely submitted.

6.9.7.2 Performance Requirements: The Contractor shall prepare and submit Government Property reports in accordance with clause DFARS 252.245-7001, as supplemented by

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agency direction and guidance from the Government Property Administrator. (CDRL AP17)

6.9.8 Use of Government Property.

6.9.8.1 Performance Outcomes.

6.9.8.1.1 Employees trained in the proper use of Government property, which is used only for authorized purposes.

6.9.8.1.2 Excess Government property promptly reported for disposal.

6.9.8.2 Performance Requirements: The Contractor shall implement processes adequate to ensure that:

6.9.8.2.1 Government Property will be used only for those purposes authorized in the contract, and

6.9.8.2.2 Employee users of Government property are trained, or otherwise informed, of appropriate uses of Government property.

6.9.8.3 Performance Requirement: Implement processes to promptly report for disposal Government property in excess of the amounts needed to complete contract performance.

6.9.9 Maintenance of Government Property.

6.9.9.1 Performance Outcome: Maintenance planning and execution maximize the useful life of Government property considering the highly corrosive marine environment at USAKA/RTS.

6.9.9.2 Performance Requirements: Implement processes adequate to maintain all Government property, including that in the custody of subcontractors or alternate locations of the contractor, in accordance with best commercial practices and based on application and experience with the highly corrosive marine environment at USAKA/RTS. Processes shall include:

6.9.9.2.1 Preparation of maintenance plans and schedules for recurring or preventive maintenance.

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6.9.9.2.2 Performance of periodic pre-maintenance inspections.

6.9.9.2.3 Performance of preventive or corrective maintenance for deterioration caused by contamination and corrosion.

6.9.9.2.4 Reporting of need for major repair, replacement or rehabilitation.

6.9.9.2.5 Performance of post-maintenance inspections.

6.9.9.2.6 Preparation of records of maintenance actions performed and deficiencies discovered as a result of inspections.

6.10 Energy Conservation and Environmental Management.

6.10.1 **Performance Outcomes:** Effective energy conservation and recycling programs implemented. Compliance with the USAKA Environmental Standards (UES) and Historical Preservation Plan (HPP).

6.10.2 **Performance Requirements:** Implement and actively maintain in the work areas under MSS Contractor control:

6.10.2.1 A recycling program for all materials as currently or subsequently identified by the LS Contractor, and

6.10.2.2 An energy conservation program.

6.10.3 **Performance Requirement:** Comply with the UES, as supplemented by the USAKA HPP, in performance of the requirements of this PWS.

6.11 Data and Records Management.

6.11.1 **Performance Outcome:** Files and records established and maintained.

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6.11.2 Performance Requirements:

6.11.2.1 The Contractor shall establish and maintain files and records, using best commercial practices, to support the administration and management of the MSS effort at USAKA/RTS. Files and records shall be sufficient in detail to support any audits, criminal proceedings, labor claims, litigation, etc. related to effort performed during the overall period of contract performance. All files shall be available to authorized Government personnel at any time. All files, excluding employee personnel files, shall be transferred to the Contracting Officer's Representative, USAKA/RTS, upon contract completion.

6.11.2.2 Prepare and deliver data, documentation, and reports as required by the Contract Data Requirements List. Also be responsive to occasional requests for special data / reports by the Contracting Officer or the Contracting Officer's Representative, USAKA/RTS. Electronic submission of reports is acceptable and preferred.

6.11.2.3 Develop, implement, and maintain Operating Procedures applicable to providing administrative, management, and technical meteorological support services at USAKA/RTS, as deemed appropriate to ensure efficient and effective operations. The procedures shall provide comprehensive instructions for accomplishing the performance requirements as stated in the PWS. All procedures shall be available electronically for government review.

7. MISSION SUPPORT.

7.1 Program Planning.

7.1.1 Performance Outcome: Mission planning performed; comprehensive mission support plans documented per the UDS system; and special studies conducted, as required to ensure all customer requirements identified and satisfied. Provide inputs and/or update RTS Manuals for the use of potential RTS customers.

7.1.2 Performance Requirement: Perform an analysis of requirements as identified in customer provided documentation, to include UDS documents such as the Program Introduction (PI) / Statement of Capability (SC), Program Requirements Document (PRD)

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/ Program Support Plan (PSP), and Operations Directive (OD) / Operations Requirements (OR), plus associated revisions/supplements/ addendums. Identify USAKA/RTS meteorological resources required to collect the data to satisfy customer requirements. Provide support plan for each mission in the form of a mission annex to the final test plan. Provide required input IAW **CDRL AR01**.

7.1.3 Performance Requirement: Identify meteorological capability issues/problems that preclude satisfying USAKA/RTS customer requirements. Provide recommended workaround problem solution or, when feasible, instrumentation / systems modifications, with cost estimates, necessary to assure customer satisfaction.

7.1.4 Performance Requirement: Attend and participate, as required, in mission planning meetings, requirements documents reviews, technical interchange meetings, program Critical Design Reviews (CDRs), Range Commanders Council (RCC) Standing Group Meetings, and other related meetings, as requested by USAKA/RTS. Provide briefings as required to support these meetings.

7.1.5 Performance Requirement: Conduct special studies and provide briefings/presentations for meteorological support mission planning efforts, as requested by USAKA/RTS.

7.1.6 Performance Requirement: Provide tailored briefings/presentations of meteorological support capabilities to range customers, as requested by USAKA/RTS.

7.1.7 Performance Requirement: Provide inputs for the *USAKA/RTS Instrumentation and Support Facilities Manual* to the IRE Contractor (**CDRL AR02**). The input shall include a comprehensive description of existing USAKA/RTS meteorological instrumentation and support facilities available to USAKA/RTS customers and their capabilities and descriptions. Also include statements of capabilities of new instrumentation/ support facilities or modifications scheduled to become operational within six months of the date of issue of the manual.

7.1.8 Performance Requirement: Periodically update and publish the *Meteorological Facility and Equipment Manual* IAW **CDRL AR03**. The Manual shall delineate all USAKA/RTS meteorological facilities and equipment. The characteristics and

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features of each piece of equipment shall be described in detail to include "as built" drawings. The Manual shall be sufficiently comprehensive to permit potential USAKA/RTS customers to assess user/range compatibility and to provide a ready reference to all USAKA/RTS organizational elements.

7.1.9 Performance Requirement: Periodically provide updates to the meteorological section of the *RTS Data Item Descriptions Manual* to the IRE Contractor IAW **CDRL AR04**. The inputs shall delineate standard meteorological data products available to USAKA/RTS customers. The inputs shall be designed to aid existing and potential USAKA/RTS customers in program/mission planning.

7.2 Estimating Customer Support Costs.

7.2.1 Performance Outcome: Meteorological mission support cost estimates provided in terms of work hours/dollars, material costs, and other direct costs.

7.2.2 Performance Requirement: Provide cost estimates for meteorological support services based on requirements specified by the customer in UDS documentation and guidelines in the *USAKA/RTS Financial Requirements Manual* and the *Financial Policy and Rate Manual*.

7.3 Mission Test Planning.

7.3.1 Performance Outcome: Mission test documentation developed and IPTs supported.

7.3.2 Performance Requirement: Inputs provided to the IRE Contractor for the development of mission test documentation, to include test plans and mission operational schedules, as necessary to ensure all customer meteorological support requirements will be satisfied. Support provided to IPTs established by the Government to resolve mission test planning issues and to develop lessons learned.

7.4 Meteorological Mission Support.

7.4.1 Performance Outcome: Meteorological equipment, instrumentation, and facilities operated as required to support USAKA/RTS pre-mission and mission operations.

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7.4.2 Performance Requirement: Provide a meteorologist in the Kwajalein Mission Control Center (KMCC) to support real-time range operations. The meteorologist shall provide mission-oriented weather evaluations and forecasts to assist the Range Control Officer in making range operations decisions. Specific forecasts shall be provided to the Millimeter Wave (MMW) radar, the RTS optics sites, and USAKA/RTS customers to assist in meeting their test objectives.

7.4.3 Performance Requirement: Operate all meteorological equipment, instrumentation, and facilities required IAW approved PSPs, ODs, mission test plans and schedules. Collect and control reduced meteorological data derived from the Meteorological Sounding System (MSS); radiotheodolite system; wind finding radar system; Pilot Balloon (PIBAL) observations; meteorological rocket and robin sphere observations; tower-mounted anemometers; McIDAS and Defense Meteorological Satellite Program (DMSP) satellite systems; Doppler S-band weather surveillance radar system; CLEARSKY numerical weather prediction model; conventional ground measurements such as wind speed and direction, temperature, dew point, relative humidity, pressure, precipitation, cloud height, cloud ceiling, and horizontal visibility; lightning detection system; and tide gauges, as required for each RTS mission in support of both customer and range safety requirements.

7.5 Post-Mission.

7.5.1 Performance Outcomes: Distribute post-mission meteorological data as required by mission requirements documentation. Assess the performance of meteorological equipment, instrumentation, and facilities during mission support and document lessons learned.

7.5.2 Performance Requirement: Distribute meteorological data as required by specific mission requirements documentation applicable to the program and mission being supported, with specific care to comply with detailed security requirements. (CDRL AR05)

7.5.3 Performance Requirement: Review data collected and assess the performance of the USAKA/RTS meteorological equipment, instrumentation, and facilities in their data collection role, document lessons learned as a result of execution of the mission, and present a post mission brief

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summarizing support of the mission and proposed new/modified operating processes/procedures to resolve deficiencies in supporting customer requirements. Prepare Mission Assessment Report to document the results of the meteorological support provided during the mission (CDRL AR06).

8. METEOROLOGICAL EQUIPMENT AND INSTRUMENTATION MAINTENANCE AND OPERATION.

8.1 Performance Outcome: Maintenance ensures meteorological equipment and instrumentation availability and reliability to perform at full operational accuracy and capability in support of USAKA/RTS missions. Ensure consistent quality of maintenance and operations through the development of standard operating procedures and operator training (on-site and off-site).

8.2 Performance Requirements: Perform all necessary actions to calibrate and maintain USAKA/RTS meteorological equipment and instrumentation hardware, software, and ancillary equipment, as listed in the *Meteorological Facilities and Equipment Manual*, to ensure expected accuracy and capability performance in support of USAKA/RTS missions. Maintain equipment and instrumentation at a level of availability, reliability, and maintainability that will ensure USAKA/RTS missions are supported IAW mission requirements and schedules. Maintenance methods, procedures, and schedules shall be predicated upon protecting equipment and instrumentation from the highly corrosive marine environment at USAKA/RTS.

8.3 Performance Requirements: Collect reliability data to the board level and calculate Mean Time Between Failures (MTBF) and Mean Time To Repair (MTTR) for equipment and instrumentation, as listed in the *Meteorological Facility and Equipment Manual*. Prepare the Equipment / Instrumentation Status Report to document these results. Develop and implement a corrective plan of action when either the MTBF or MTTR are at levels deleterious to confidence in the availability, reliability, or maintainability of the equipment or instrumentation. (See Performance Requirement 9.1.2 for corrective actions requiring hardware/software I&M). (CDRL AM01)

8.4 Performance Requirement: Provide a weekly report depicting the daily status of equipment and instrumentation with respect to its ability to fully support missions. RED, GREEN,

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AMBER, and WHITE shall be used as the status designations (CDRL AM02). Also provide a Maintenance Report summarizing maintenance performed on a monthly basis and any other information deemed of interest to USAKA/RTS (CDRL AM03). Electronic format via e-mail is the preferred delivery method for both Reports.

8.5 Performance Requirement: Establish procedures to maintain and control the as-built configuration of all instrumentation. Submit control procedures and changes to the RTS Commander for approval prior to implementation. (CDRL AM04) Maintain accurate as-built drawings and plant-in-place records of all USAKA meteorological equipment. An index or listing shall be maintained that accurately reflects the configuration of all current drawings and plant-in-place records. (CDRL AM05)

8.6 Performance Requirement: Prepare and maintain standard operating procedures to address each maintenance, calibration, and operational requirement.

8.7 Performance Requirement: Personnel are trained in the performance of maintenance and operational requirements. Training records are kept for each employee.

9. METEOROLOGICAL EQUIPMENT, INSTRUMENTATION, AND SOFTWARE IMPROVEMENT AND MODERNIZATION (I&M).

9.1 Determine I&M Candidates.

9.1.1 Performance Outcome: USAKA/RTS meteorological equipment, instrumentation, and software I&M defined, planned and budgeted to ensure customer's existing and future meteorological requirements can be met effectively and cost efficiently.

9.1.2 Performance Requirement: Analyze meteorological state-of-the-art developments to determine candidates for cost efficient enhancement of USAKA/RTS's meteorological support capabilities. Develop alternative solutions to customer support deficiencies necessitating equipment, instrumentation, and/or software I&M for resolution. Brief USAKA/RTS on "best in class" I&M candidates to obtain approval to proceed to full systems engineering and integration effort. The briefing shall include a statement of need; identification of alternative solutions considered; justification for the I&M approach recommended; a "rough order of magnitude" cost estimate; and a preliminary milestone schedule. USAKA/RTS

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will provide the existing I&M Five Year Plan, which is to be maintained current IAW CDRL AI01.

9.2 Systems Engineering and Integration.

9.2.1 Performance Outcome: Selected I&M candidates are analyzed from a detailed systems engineering and integration perspective to ensure compatibility with existing and planned USAKA/RTS systems; that they can be orderly and timely integrated into existing USAKA/RTS systems; and that they will enhance USAKA/RTS's capability to support existing and/or future customer meteorological requirements.

9.2.2 Performance Requirement: Provide systems engineering support to include systems analysis, definition and synthesis of requirements, preliminary and detail design, design reviews, evaluation and recommendation of equipment configuration, specification and subcontract preparation (if applicable), installation planning, and determination of initial parts inventory. This system engineering effort shall be provided for both USAKA/RTS systems and customer peculiar hardware and software requirements. Projects involving Information Technology and software system developments shall be in accordance with best commercial practices consistent with the guidance of AR 380-19.

9.2.3 Performance Requirement: Coordinate integration engineering information with USAKA/RTS and other USAKA/RTS Contractors to ensure design compatibility with existing and planned range systems.

9.3 Develop I&M Engineering Change Proposals (ECPs).

9.3.1 Performance Outcome: Formal I&M ECPs submitted to USAKA/RTS for review and approval.

9.3.2 Performance Requirement: Develop ECPs for I&M of USAKA/RTS meteorological equipment and instrumentation hardware/software necessary to correct deficiencies in customer requirements support; improve accuracy, availability, ease of operation, maintainability, reliability, state-of-the-art capability; and/or to reduce operating costs. ECPs shall contain, as a minimum, justification for the I&M; identification of the existing or future customer requirements that will be satisfied by the modifications; a synopsis of systems engineering

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and integration effort; the I&M technical approach; testing methodology; Initial Operational Capability/Full Operational Capability (IOC/FOC) criteria and dates; identification of documentation and drawings affected; estimated costs and FY funding requirements; and a milestone schedule. ECPs shall be submitted to USAKA/RTS for approval prior to proceeding with the work or incurring any contract costs (CDRL AI02).

9.4 Implement Approved ECPs.

9.4.1 Performance Outcome: Approved I&M ECPs timely implemented.

9.4.2 Performance Requirement: Perform I&M IAW approved ECPs, conduct acceptance testing, conduct operational personnel training, develop operational maintenance procedures, and provide configuration control, to include "as-built" drawings and plant-in-place records. Implement all actions required to ensure effective and timely integration of equipment, instrumentation, and software I&M.

10. SUPPORT FUNCTIONS.

10.1 Meteorological Functions.

10.1.1 Performance Outcome: The normal duties of a weather forecast office and meteorological observatory are performed.

10.1.2 Performance Requirement: Issue routine public service, aviation, and marine forecasts. Disseminate weather advisories and warnings, as required. Daily forecasts will be provided to personnel IAW CDRL AS01. Take and transmit aviation and synoptic observations 24 hours a day and synoptic rawinsonde observations at 0000Z and 1200Z daily. Provide en route weather data and observations to the LS Contractor's Base Airfield Operations, the FAA control tower, and departing air and surface craft crews on request. Routinely disseminate tide predictions and sunrise/sunset and moonrise/moonset information.

10.1.3 Performance Requirement: Issue severe weather warnings, to include briefings to aviation and marine personnel, and provide the meteorological services required to protect life and property during periods of threatening weather conditions. Issue lightning forecasts and warnings for electrical disturbances within a ten nautical mile radius of ordnance or

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other hazardous operation sites. Provide support to the Emergency Operation Center (EOC).

10.2 Extended Areas of Support.

10.2.1 Performance Outcome. In depth planning results in the successful providing of meteorological support services on a campaign basis at remote locations outside Kwajalein Atoll, such as Wake Island and Aur Atoll in the RMI, as necessary to support USAKA/RTS customer requirements.

10.2.2 Performance Requirement: Provide campaign planning, coordination with the LS Contractor, and all necessary meteorological support services in the fulfillment of customer mission requirements outside Kwajalein Atoll. Comply with applicable requirements of this PWS for mission support outside the Kwajalein Atoll just as they apply to missions within the Kwajalein Atoll.

(END)

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ABM: Anti-Ballistic Missile.

AOB: Annual Operating Budget.

APIC: Army Performance Improvement Criteria.

AR: Army Regulation.

BLS: Bureau of Labor Statistics.

CDR: Critical Design Review.

CDRL: Contract Data Requirements List.

Commander, Reagan Test Site (CDR, RTS): The commander of the subordinate element of USAKA charged with technical performance of the range. The CDR, RTS, provides technical direction for specific range contracts, including the Meteorological Support Services Contract. The CDR, RTS, has a staff of military and civil service personnel who provide guidance, technical review, range user interface, and technical monitoring of mission support contract activities on the range. The CDR, RTS will designate a specific individual on the staff as the single point of contact for meteorological support services activities.

Commander USAKA (CDR, USAKA): The US Army officer in command at USAKA or his designated representative. The CDR, USAKA's responsibilities include assuring that USAKA contractors' efforts are performed adequately and in conformance with contractual requirements. The CDR, USAKA, has a staff of military and civil service personnel to assist in performance of his responsibilities and receives support from Government audit personnel and specialists.

CM: Configuration Management.

CMP: Configuration Management Plan.

Contracting Officer: The USASMDC person(s) with the authority to enter into, administer, modify, and/or terminate this contract and to make related determinations and findings within the limits of their appointment authority.

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Contracting Officer's Representative (COR): A representative of the Contracting Officer on-site at USAKA/RTS authorized to execute and monitor contract administration within the limits of his/her authority as delegated in writing by the Contracting Officer.

Contracting Officer's Technical Representative (COTR): The USAKA/RTS official(s), as designated in the contract Section H clause titled, "Technical Cognizance and Technical Direction," authorized to issue technical direction.

Contractor: The prime supplier, vendor, company, and/or joint venture engaged by USAKA/RTS to satisfy the requirements of this PWS.

CWBS: Contract Work Breakdown Structure.

DA: Department of the Army.

DFARS: DoD Federal Acquisition Regulation Supplement.

DID: Data Item Description.

DMSP: Defense Meteorological Satellite Program.

DoD/DD: Department of Defense.

ECP: Engineering Change Proposal.

EOC: Emergency Operations Center.

FAR: Federal Acquisition Regulation.

Federal Aviation Administration (FAA): An agency of the US Government that operates the Bucholz Army Airfield control tower under a funded agreement with USASMDC.

FIFO: First In First Out.

FOC: Full Operational Capability.

FPRM: Financial Policy and Rate Manual.

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FRM: Financial Requirements Manual.

FY: Fiscal Year (1 October - 30 September)

GFE: Government Furnished Equipment.

GFF: Government Furnished Facilities.

GFM: Government Furnished Materials.

GFS: Government Furnished Services.

HPP: Historical Preservation Plan.

I&M: Improvement & Modernization.

IAW: In Accordance With.

IH: Industrial Hygiene.

Include: "To include" or "shall include" is defined as "to (or shall) include but not be limited to."

IOC: Initial Operating Capability.

IPT: Integrated Process Team/

IRE: Integrated Range Engineering.

ISFM: Instrumentation and Support Facilities Manual.

ITCZ: Inter Tropical Convergence Zone.

Joint Pacific Area Scheduling Office (JPASO): A Department of Defense (DoD) chartered scheduling facility located at Vandenberg AFB, CA. Participating organizations include the Western Space and Missile Center (WSMC), The Pacific Missile Range Facility (PMRF), US Army Kwajalein Atoll (USAKA) and other DoD agencies as required. JPASO integrates, develops, and maintains a master schedule of missions and resource availability for the immediate eighteen months. All tests and test support for Pacific reentry test operations, regardless of point of origin, are coordinated and scheduled through the JPASO.

Kiernan Reentry Measurement Site (KREMS): A major field measurement facility located on Roi-Namur Island, USAKA, and including the TRADEX, ALCOR, ALTAIR, and MMW radar systems.

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KMAR: Kwajalein Modernization and Remoting.

Kwajalein Mission Control Center (KMCC) - The command and control center for support of all operations and tests involving Kwajalein facilities. KMCC provides inter-range coordination between other organizations and test ranges and the Range user interface for Meck Island, Wake Island, and other remote launch site target operations. The KMCC contains the high performance computer systems, peripherals, and software that provides real-time critical data processing and transmission functions for orbital, reentry, and local launch operations. Tracking data from different radar and telemetry sources are received, filtered, and best tracks are selected. This real-time data is then extrapolated, reformatted, and transmitted to optical tracking mounts, telemetry receiving antennae, and radar sites. KMCC also contains status display consoles and communication equipment for: Interface between mission operators and computer system; user, evaluation, and VIP personnel; weather radar data; and secure voice and data communications.

Lead Range - The range that serves as a focal point for submission of all support requirements for a program and coordinates as necessary with other support ranges to obtain the total support as may be required. Usually this is the range at which the major support is provided or where the test vehicle is launched or that supports a space vehicle in its orbit.

LS and LSC: Logistics Support and Logistics Support Contract/Contractor, depending upon context. The USAKA/RTS support contractor responsible for providing a broad variety of logistics and base support services.

Mean Time Between Failures (MTBF): The Mean Time Between Failures is that theoretical period of time which equipment can be expected to operate without downtime due to component failure.

Mean Time to Repair (MTTR) - The Mean Time to Repair is that theoretical period of time required to repair equipment that has failed. The time is statistically obtained from experience data relative to the equipment.

Meteorological Facility and Equipment Manual - A reference document for the USAKA Meteorological Support Services (MSS) contract. The document contains two major categories:

Section I - A computer printout of all Government furnished equipment required in support of the Meteorological Support

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Services contract.

Section II - A description of the USAKA meteorological facilities and major items of equipment available.

Mission Documentation: That test planning documentation that pertains to one mission (e.g., Operation No. XXXX) or a series of similar missions. It includes Operations Directives, Operations Requirements, Test Plan Annexes, etc.

MIT/LL: Massachusetts Institute of Technology/Lincoln Laboratories.

MMW: Millimeter Wave.

MRTFB: Major Range and Test Facility Base.

MSS: Meteorological Support Services (primarily) but in some limited technical contexts means Meteorological Sounding System.

National Imaging and Mapping Agency (NIMA): A Government agency with headquarters in Washington, D.C. that provides geodetic support to USAKA on-site via TDY campaigns IAW a Memorandum of Agreement with USASMD. Requests for services are submitted yearly to NIMA prior to 1 October.

NISPOM: National Industrial Security Program Operating Manual.

NLT: Not less than.

O&M: Operation and Maintenance.

Operations Directive (OD) - A UDS document, the Operations Directive is the support agency's response to the Operational Requirement (OR) and is prepared in two parts. It is a complete detailed plan for implementation of the support functions for a specific test or series of tests with coordinated equipment and services. The OD retains the same outline format as the OR.

OPSEC: Operations Security.

Operations Requirement (OR) - A UDS document, the Operations Requirements is a mission-oriented document that describes in detail the requirements for each mission, special test, or series of tests. It is prepared by the user. The PRD or OR are complete documents capable of standing alone. (New requirements not previously stated in the PI and/or PRD are not

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to be included in the OR.)

OSH: Occupational Safety and Health.

PAM: Pamphlet.

Performance Requirement(s): Statements contained in the Performance Work Statement of performance-based outcomes and/or results expected from the Contractor.

Phase-in: That period of time, beginning on the effective date of contract award, during which the successor contractor participates in the transfer from the incumbent contractor of responsibility for delivery of the services required in the PWS.

Phase-out: That period of time immediately preceding the contract expiration date when the Contractor participates in the transfer of responsibility for delivering the services specified in the PWS to a successor contractor. Also see the Contract Section H Clause titled, "Terminal Phase-out."

Program Documentation: The test planning documentation that pertains to an overall program. It includes Program Introductions, Statements of Capability, Program Requirements Documents, and Program Support Plans.

Program Introduction (PI): A long-range UDS planning document submitted by a potential user to the support agency immediately upon identification of the scope and duration of program activity. For minor or short lead time programs, the PI and PRD may be combined to eliminate further documentation except for that required for conduct of specific tests or missions.

Program Requirements Document (PRD): A long-range UDS planning document submitted by a range user. It contains those requirements for support desired from the support agency and may contain supplemental information when needed for clarity of purpose. New requirements which arise after the submission of the PRD require a PRD revision.

Program Support Plan (PSP): A UDS document, prepared by the responsible support agency, that responds to requirements presented in the PRD. This response indicates those requirements that can be met through programming new resources or through alternatives, and those which cannot be met by the support agency. The PSP retains the same outline format as the PRD. The PSP is maintained current with revised program requirements by

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corresponding revision for the duration of the program.

PWS: Performance Work Statement.

QC: Quality Control.

Range: A complex of instrumentation deployed over a designated geographic area and configured for the support of operational and development test and evaluation of weapon and space systems, subsystems and components.

Range User: Any military organization or non-DOD federal Government agency having a program approved for use of a range and any foreign government and/or domestic commercial organization whose support needs are presented and sponsored by the US Government.

RCC: Range Commanders Council.

Real-time Data: Data presented in usable form at essentially the same time the event occurs. The delay in presenting the data must be small enough to allow a corrective action to be taken if required.

Reimbursable Costs: Costs for which ranges or host activities are to be reimbursed by recipients of services (e.g., range users, tenants) in accordance with policy guidelines, the FRM, and the FPRM.

RMI: Republic of the Marshall Islands.

RRBMDTSatKA: Ronald Reagan Ballistic Missile Defense Test Site at Kwajalein Atoll, which for brevity will commonly be referred to as the Reagan Test Site (RTS).

RTS: Reagan Test Site.

SLEC: Security and Law Enforcement Contract.

Statement of Capability (SC): A UDS document that expresses the support agency's capability to support of a new program. The fundamental use of the SC is to provide a response to the PI. The PI and the SC are designed to complement each other in establishing the scope of activity between the user and the support agency.

UES: USAKA Environmental Standards.

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Universal Documentation System (UDS): The documentation system adopted by the DoD Range Commander's Council. It includes the Program Introduction (PI), Statement of Capability (SC), Program Requirements Document (PRD), Program Support Plan (PSP), Operations Requirement (OR), and Operations Directive (OD).

UPH: Unaccompanied Personnel Housing.

USAKA: U.S. Army Kwajalein Atoll.

USAKA/RTS: U.S. Army Kwajalein Atoll/Reagan Test Site.

U.S. Army Space and Missile Defense Command (USASMDC): The command located in Washington, D.C. and Huntsville, Alabama, which is the higher headquarters of the US Army Kwajalein Atoll (USAKA). The Procuring Contracting Officer and staff are located at USASMDC-Huntsville.

U.S. National Oceanic and Atmospheric Administration (NOAA): An agency of the US Government which provides for operation of the meteorological stations at Ailinglaplap, Wotje, and Majuro and provides certain supplies and other services under a funded agreement with USAKA/USASMDC.

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